

PATENT ABSTRACTS OF JAPAN

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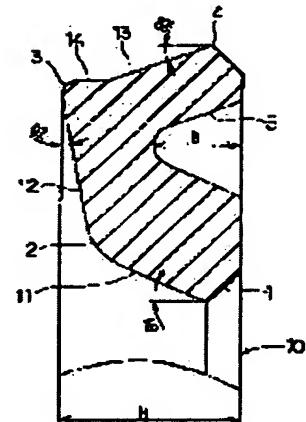
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(54) BUFFER SEAL

(57)Abstract:

PROBLEM TO BE SOLVED: To achieve correct surface pressure distribution to a slide member in a buffer seal.

SOLUTION: This buffer seal 10 contained in an installation groove to slidably get in contact with a piston rod (the slide member) for reducing pressure fluctuation introduced by a main seal comprises a circular U-groove part 5 to receive hydraulic pressure, a circular slide side lip 1 pressed to the piston rod by hydraulic pressure, a circular heel part 2 facing the opening end side of the installation groove, a circular shoulder part 3 facing a corner part of the installation groove, a circular fixed side lip 4 pressed to a bottom surface of the installation groove by hydraulic pressure, and a circular first inclination surface 11 inclined from the slide side lip 1 to the heel part 2 to gradually get apart from the piston rod. The heel part 2 is continuously curved from the first inclination surface 11.



1	滑動側リップ
2	ヒール部
3	ショルダ部
4	固定側リップ
5	U字溝
10	バッファーセル
11	第一傾斜面
12	第二傾斜面
13	第三傾斜面
14	フラット面

LEGAL STATUS

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